

RAW SEQUENCE LISTING

DATE: 04/30/2001

PATENT APPLICATION: US/09/807,234

TIME: 19:27:28

Input Set : A:\Pto.amc

Output Set: N:\CRF3\04302001\I807234.raw

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3 <110> APPLICANT: BIOMEDLAB COOPERATION
5 <120> TITLE OF INVENTION: Genotyping kit for diagnosis of human papillomavirus infection
7 <130> FILE REFERENCE: P0066/BML/PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/807,234
C--> 9 <141> CURRENT FILING DATE: 2001-04-06
9 <150> PRIOR APPLICATION NUMBER: KR 10-2000-0013161
10 <151> PRIOR FILING DATE: 2000-03-15
12 <160> NUMBER OF SEQ ID NOS: 25
14 <170> SOFTWARE: KOPATIN 1.5
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 30
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: primer HPV16
24 <400> SEQUENCE: 1
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28 <210> SEQ ID NO: 2
29 <211> LENGTH: 30
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: primer HPV18
36 <400> SEQUENCE: 2
37 tgctttctaca cagtctcctg tacctgggca 30
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 30
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: primer HPV31
48 <400> SEQUENCE: 3
49 tgtttgtgct gcaattgcaa acagtgatac 30
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 30
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: primer HPV33
60 <400> SEQUENCE: 4
61 ttatgcaca caagtaacta gtgacagtac 30
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 30
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: primer HPV35

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72 <400> SEQUENCE: 5
73 gtctgtgtgt tctgtgtgt cttctagtga           30
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 30
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: primer HPV39
84 <400> SEQUENCE: 6
85 tctacctcta tagagtcttc cataccttct         30
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 30
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: primer HPV45
96 <400> SEQUENCE: 7
97 acacaaaatc ctgtgccaaag tacatatgac        30
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 30
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: primer HPV51
108 <400> SEQUENCE: 8
109 agcactgccca ctgctgcggt ttccccaaca        30
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 30
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: primer HPV52
120 <400> SEQUENCE: 9
121 tgctgagggt aaaaaggaaa gcacatataa        30
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 30
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: primer HPV56
132 <400> SEQUENCE: 10
133 gtactgctac agaacagtta agtaaatatg        30
136 <210> SEQ ID NO: 11
137 <211> LENGTH: 30
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: primer HPV58
144 <400> SEQUENCE: 11

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145 attatgcact gaagtaacta aggaaggtag      30
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150 <212> TYPE: DNA
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153 <220> FEATURE:
154 <223> OTHER INFORMATION: primer HPV59
156 <400> SEQUENCE: 12
157 ctgtgtgtgc ttctactact gcttctattc      30
160 <210> SEQ ID NO: 13
161 <211> LENGTH: 30
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: primer HPV66
168 <400> SEQUENCE: 13
169 ctattaatgc agctaaaagc acattaacta      30
172 <210> SEQ ID NO: 14
173 <211> LENGTH: 30
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: primer HPV6
180 <400> SEQUENCE: 14
181 atccgtaact acatcttcca catacaccaa      30
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 30
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: primer HPV11
192 <400> SEQUENCE: 15
193 atctgtgtct aaatctgcta catacactaa      30
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 30
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: primer HPV34
204 <400> SEQUENCE: 16
205 tacacaatcc acaagtacaa atgcaccata      30
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 30
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: primer HPV40
216 <400> SEQUENCE: 17
217 gctgccacac agtccccac accaaccaca      30

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Input Set : A:\Pto.amc
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220 <210> SEQ ID NO: 18
221 <211> LENGTH: 30
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223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: primer HPV42
228 <400> SEQUENCE: 18
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232 <210> SEQ ID NO: 19
233 <211> LENGTH: 30
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: primer HPV44
240 <400> SEQUENCE: 19
241 gccactacac agtcccctcc gtctacatat          30
244 <210> SEQ ID NO: 20
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: primer PC03
252 <400> SEQUENCE: 20
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256 <210> SEQ ID NO: 21
257 <211> LENGTH: 20
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: primer PC04
264 <400> SEQUENCE: 21
265 caacttcac caggttcacc          20
268 <210> SEQ ID NO: 22
269 <211> LENGTH: 23
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: primer GP5+
276 <400> SEQUENCE: 22
277 ttggttactg tggtagatac tac          23
280 <210> SEQ ID NO: 23
281 <211> LENGTH: 25
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: primer GP6+
288 <400> SEQUENCE: 23
289 gaaaaataaa ctgtaaatca tattu          25
292 <210> SEQ ID NO: 24

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Input Set : A:\Pto.amc
Output Set: N:\CRF3\04302001\I807234.raw

293 <211> LENGTH: 23
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: primer GP5d+
300 <400> SEQUENCE: 24
301 tttkttachg tkgt dgatac yac 23
304 <210> SEQ ID NO: 25
305 <211> LENGTH: 25
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: primer GP6d+
312 <400> SEQUENCE: 25
313 gaaahataaa ytgyaadtca taytc 25

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/807,234

DATE: 04/30/2001

TIME: 19:27:29

Input Set : A:\Pto.amc

Output Set: N:\CRF3\04302001\I807234.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/807,234

DATE: 04/24/2001

TIME: 13:33:06

Input Set : A:\es.txt

Output Set: N:\CRF3\04242001\I807234.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: BIOMEDLAB COOPERATION
 5 <120> TITLE OF INVENTION: Genotyping kit for diagnosis of human papillomavirus
 infection
 7 <130> FILE REFERENCE: P0066/BML/PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/807,234
 C--> 9 <141> CURRENT FILING DATE: 2001-04-06
 9 <150> PRIOR APPLICATION NUMBER: KR 10-2000-0013161
 10 <151> PRIOR FILING DATE: 2000-03-15
 12 <160> NUMBER OF SEQ ID NOS: 25
 14 <170> SOFTWARE: KOPATIN 1.5

ERRORED SEQUENCES

304 <210> SEQ ID NO: 25
 305 <211> LENGTH: 25
 306 <212> TYPE: DNA
 307 <213> ORGANISM: Artificial Sequence
 309 <220> FEATURE:
 310 <223> OTHER INFORMATION: primer GP6d+
 312 <400> SEQUENCE: 25
 313 gaaahataaaa ytgyaadtc taylor 25
 E--> 318 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/807,234

DATE: 04/24/2001

TIME: 13:33:07

Input Set : A:\es.txt

Output Set: N:\CRF3\04242001\I807234.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:318 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:25 SEQ:25